

Fig.1 : Inhibition Effect of Murine IFN on Formation of TRAP positive multinucleated Cells in in vitro Bone Marrow Cell Culture. Bone Marrow Cells were prepared from ddY mice. MNC ;Multinucleated Cells, TRAP; Tartrate Resistant Acid Phosphatase. Mean  $\pm$  S.E.( n=4).

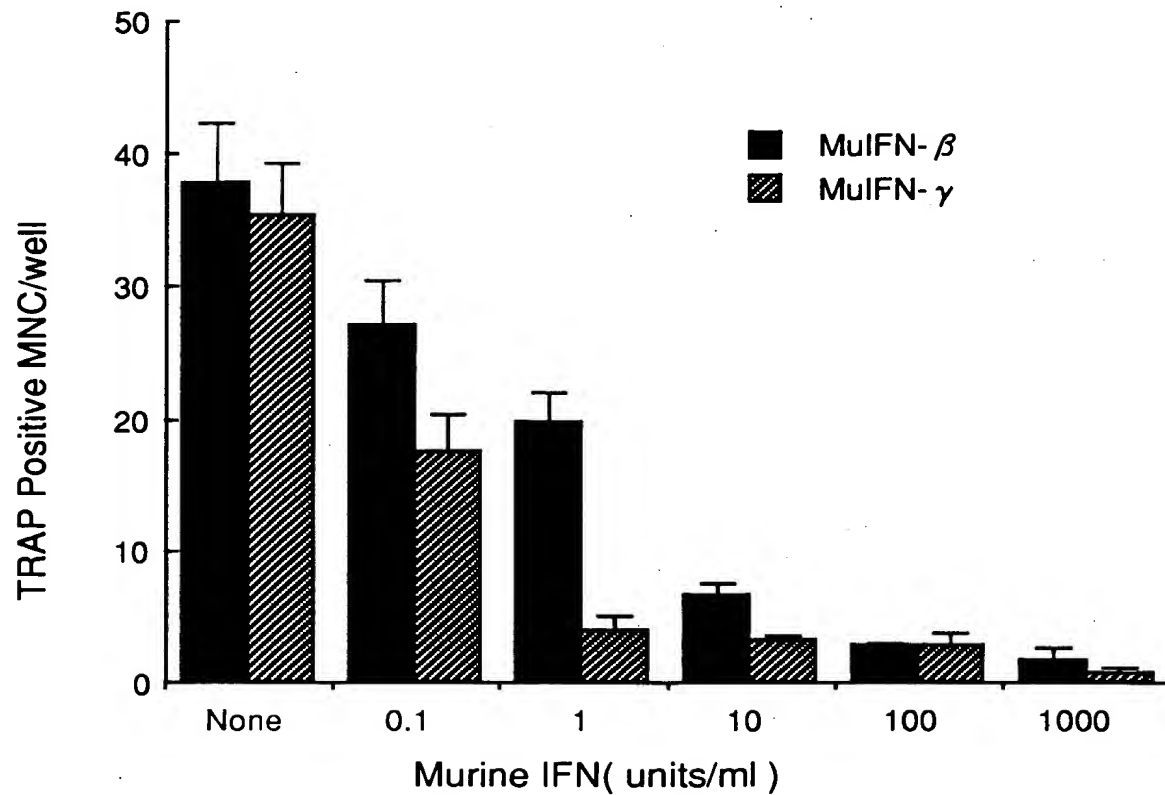


Fig.2 : Inhibition Effect of Murine IFN on Formation of TRAP positive multinucleated Cells in in vitro Bone Marrow Cell Culture. Bone Marrow Cells were prepared from C57BL/6 mice. MNC ;Multinucleated Cells, TRAP; Tartrate Resistant Acid Phosphatase. Mean $\pm$ S.E.( n=4).

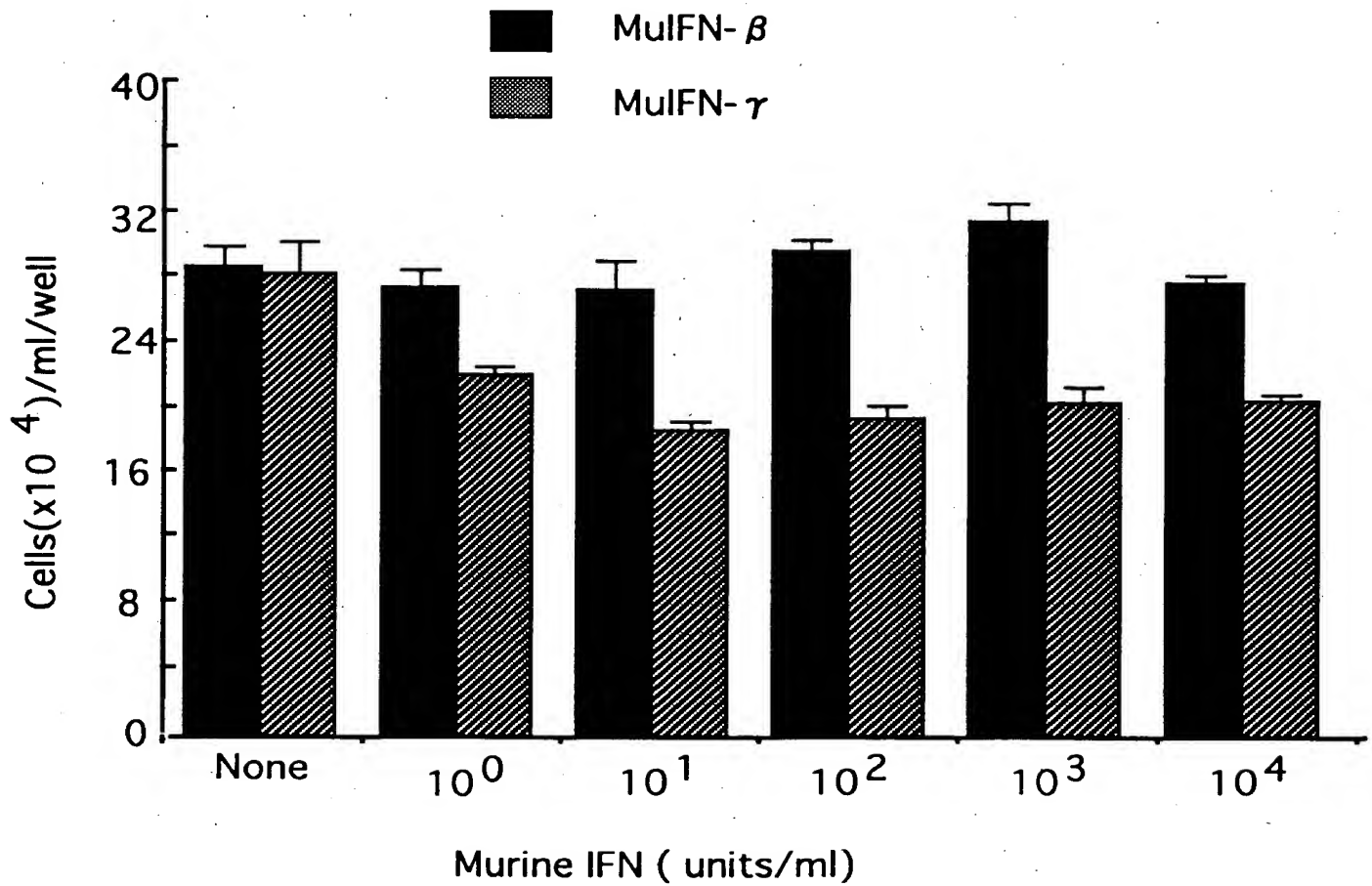


Fig.3 : Effect of Murine IFN on Proliferation of Murine Osteoblast Like Cells MC3T3-E1. Mean  $\pm$  S.E.(n=4).

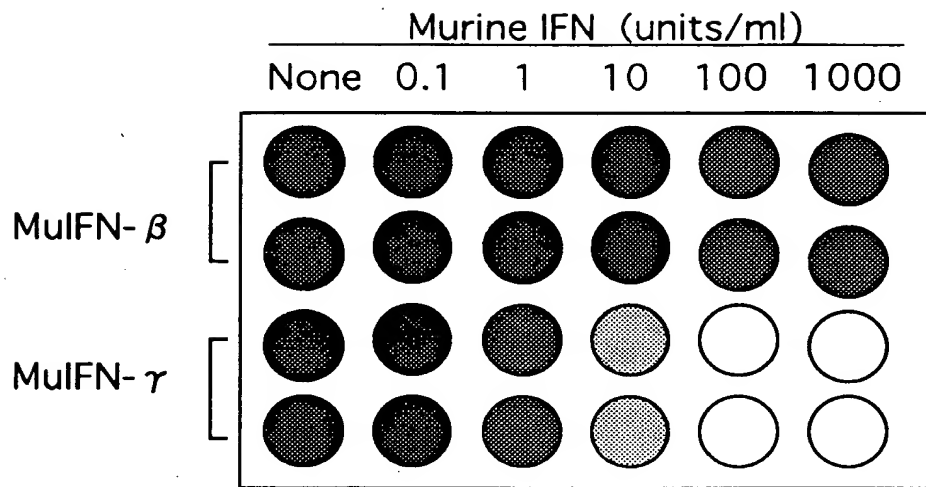


Fig.4 : Effect of Murine IFN on Mineralization of Murine Osteoblast Like MC3T3-E1 Cells in Culture.  
Mineralization was visualized by Von Kossa Staining.

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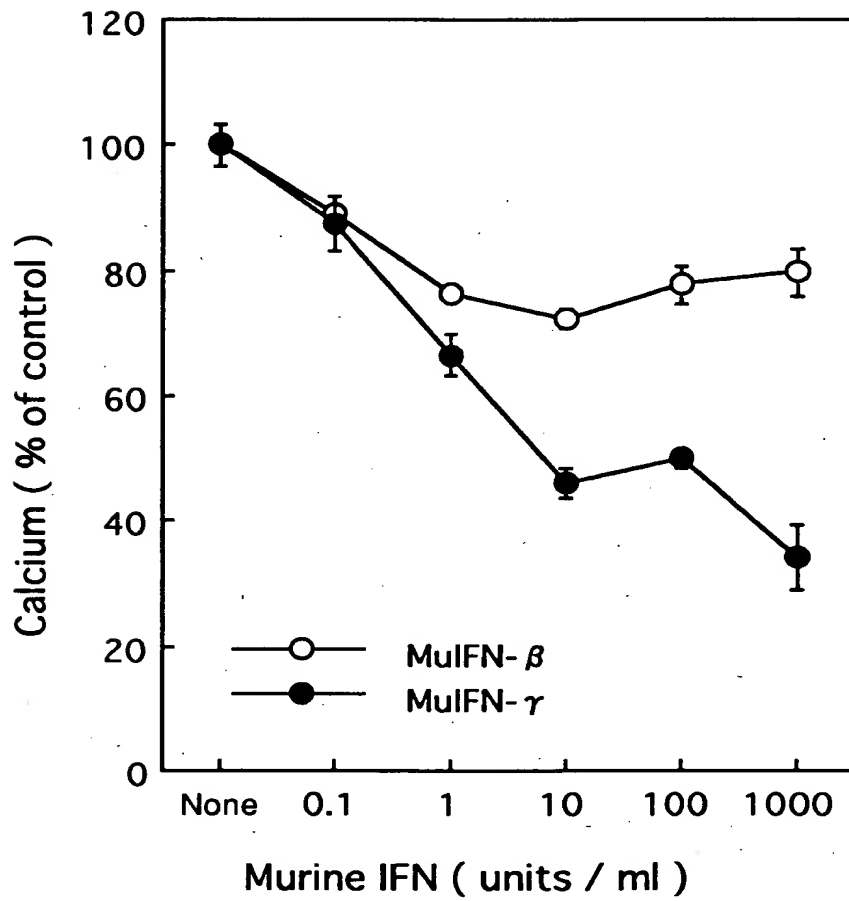


Fig.5 : Amount of Calcium Deposited on Calcified Foci in the Culture of MC3T3-E1 Cells .Each Point Represents Mean  $\pm$  SE.

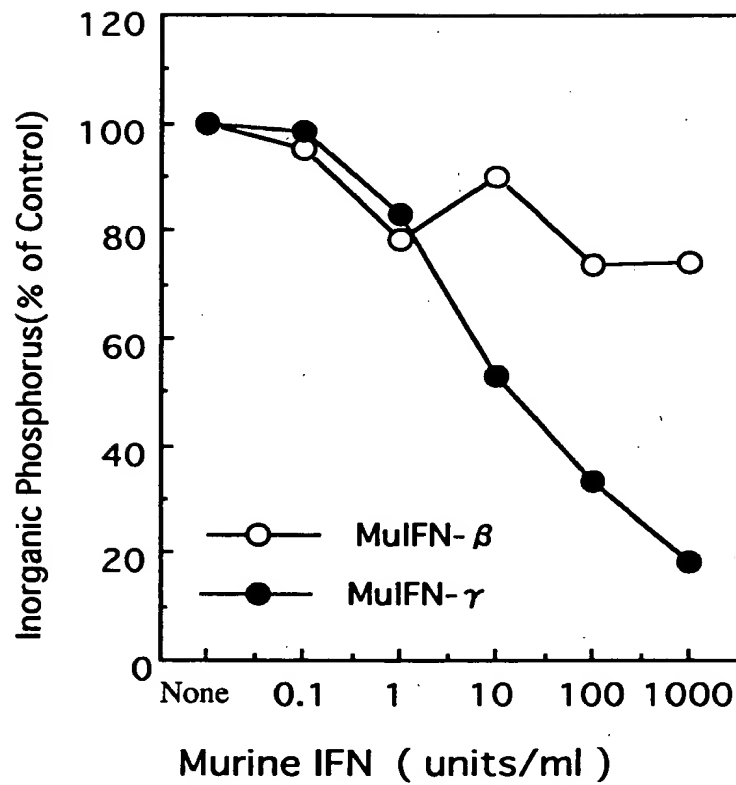


Fig.6 : Amount of Inorganic Phosphorus Deposited on Calcified Foci in the Culture of Murine Osteoblast Like Cells MC3T3-E1.

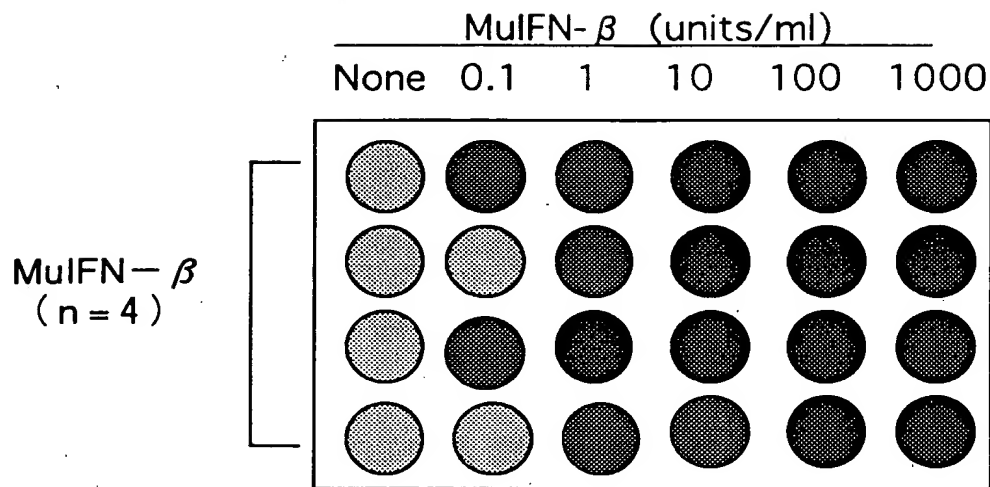


Fig.7 : Effect of Multiple Administration of Murine interferon  $\beta$  to Promote Mineralization of Murine Osteoblast Like Cells MC3T3-E1.

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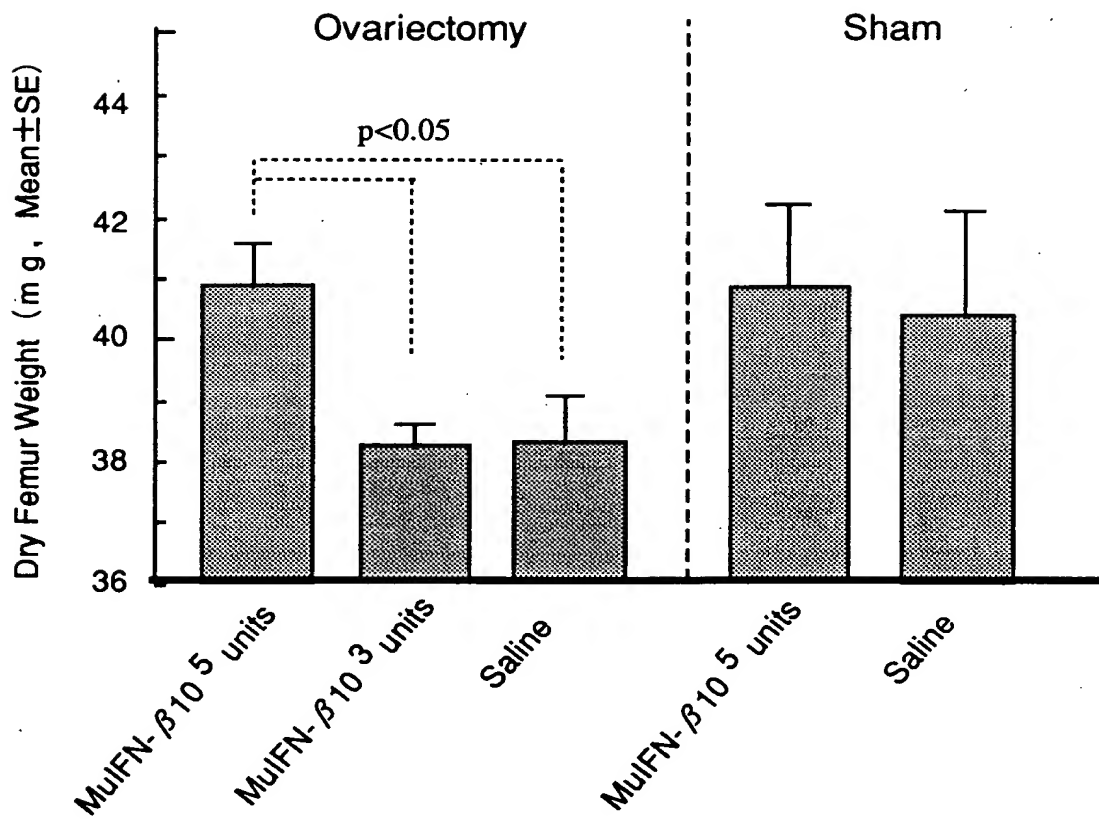


Fig.8 : Therapeutic Effect of Murine Interferon  $\beta$  on Post Menopausal Osteoporosis Model Mice.



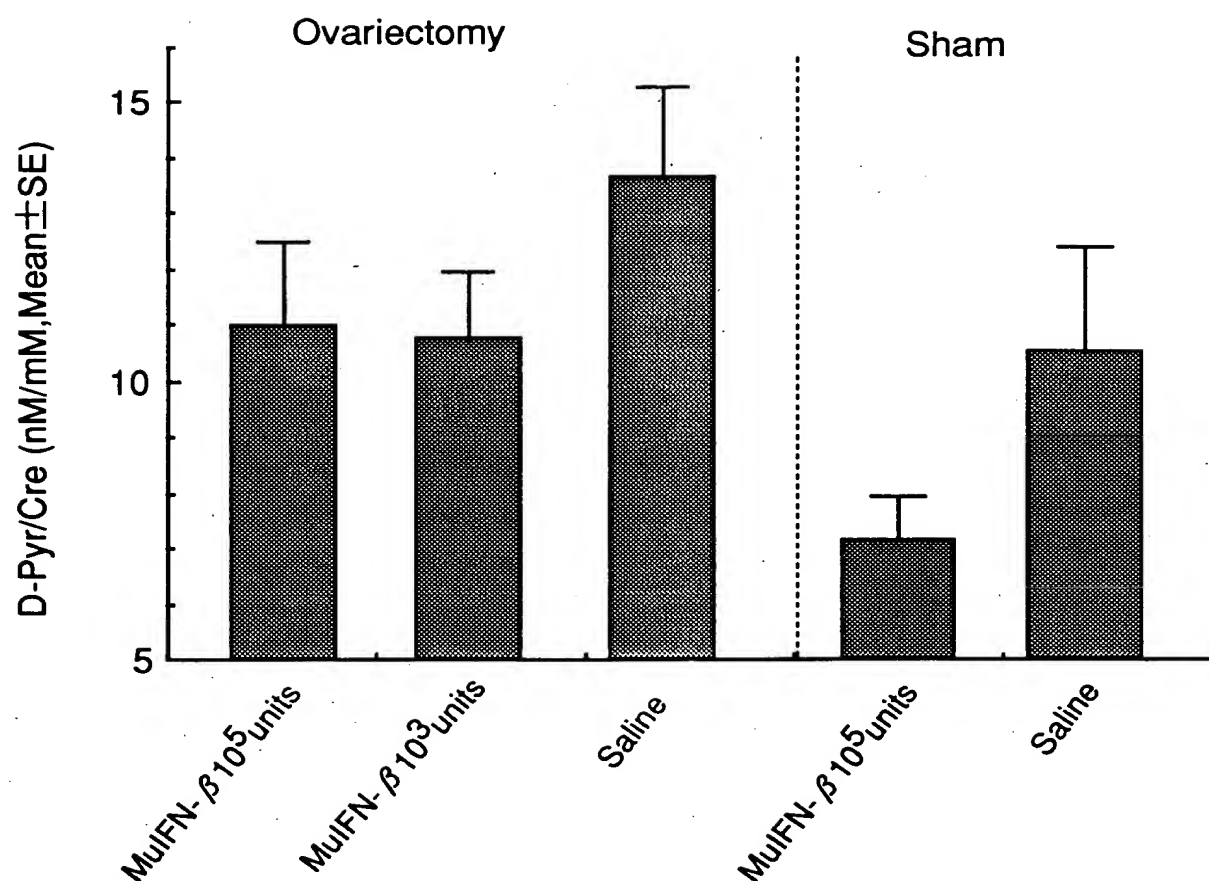


Fig.9 : Inhibiting Effect of Murine Interferon  $\beta$  on Degradation of Bone Collagen in Post Menopausal Osteoporosis Model Mice. D-Pyr;Deoxypyridinoline, Cre; Creatinine

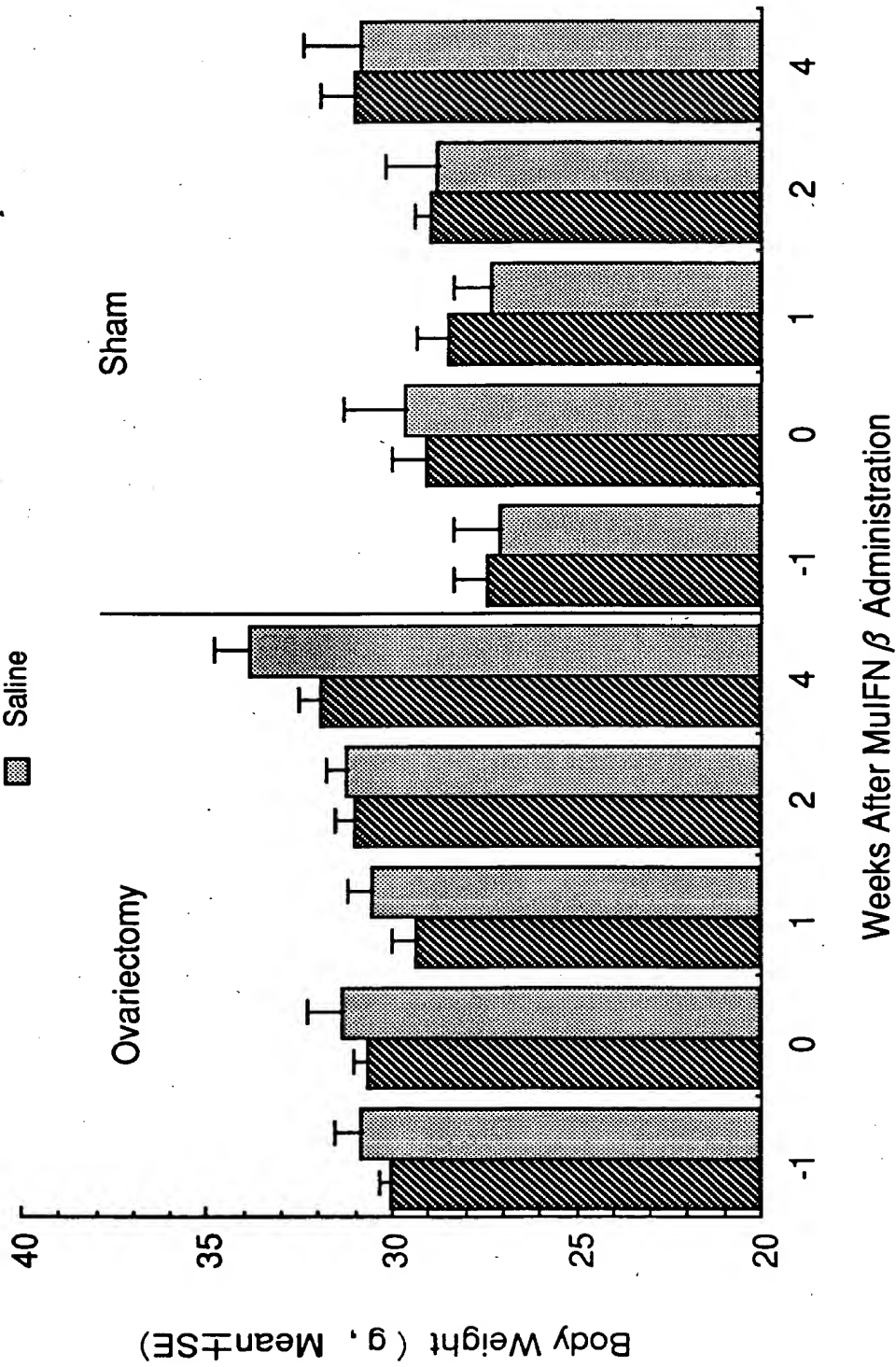


Fig.10: Change in Body Weight of Mice During Administration of Murine interferon  $\beta$  to Post Menopausal Osteoporosis Model Mice.